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PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known	
Application Number	10/688,010
Filing Date	October 17, 2003
First Named Inventor	Nollert, Peter
Art Unit	1743
Examiner Name	
Attorney Docket Number	018062-003140US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No.[1]	Document Number: Number Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BD	AA	US-6,190,616 B1	02-20-2001	Jovanovich et al.	
	AB	US-6,146,594	11-14-2000	De Graaff et al.	
	AC	US-5,919,356	07-06-1999	Hood, R.G.	
	AD	US-5,879,627	03-09-1999	Tanihata	
	AE	US-5,800,782	09-01-1998	Hagstrom et al.	
	AF	US-5,762,877	06-09-1998	Brewer	
	AG	US-5,454,268	10-03-1995	Kim, Young S.	
	AH	US-5,275,953	01-04-1994	Bull	
	AI	US-5,227,139	07-13-1993	Wong, David M.	
	AJ	US-5,063,025	11-05-1991	Ito	
	AK	US-4,750,373	06-14-1988	Shapiro, Justin J.	
	AL	US-4,615,468	10-07-1986	Gay	
	AM	US-4,011,685	03-15-1977	Boyd et al.	
BD	AN	US-3,586,064	06-22-1971	Brown et al.	
	AO	US-0007841 A1	07-12-2001	Jovanovich et al.	
	AP	US-0006369 A1	01-17-2002	Neal et al.	
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	AR	US-			

Not Proper US Document

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BD	AS	EP	0148116	A1	07-10-1985	Debiopharm SA		☐
BD	AT	DE	3102142	A1	08-12-1982	Brian Melsungen AG		☐
	AU							☐

Examiner Signature		Date Considered	6/8/07

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NON PATENT LITERATURE DOCUMENTS

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	AV	LANDAU, EM; ROSENBUSCH, JP, Lipidic Cubic Phases: A Novel Concept for the Crystallization of Membrane Proteins, Proc. Natl. Acad. Sci., Vol. 93, pp.14532-14535, December 1996	
	AW	RUMMEL, G., HARDMEYER, A., WIDMER, C., CHIU, M., NOLLERT, P., LOCHER, K., PEDRUZZI, I., LANDAU, E.M., ROSENBUSCH, J., Lipidic Cubic Phases: New Matrices for the Three-Dimensional Crystallizaton of Membrane Proteins, Journal of Structural Biology, 121, pp. 82-91, 1998.	
	AX	LOEWEN, M., CHIU, M.L. WIDMER, C., LANDAU, E.M., ROSENBUSCH, J.P., NOLLERT, P., G-Protein Coupled Receptors. Methods in Signal Transduction. Chapter 14, X-Ray Crystallography of Membrane Proteins: Concepts and Applications of Lipidic Mesophases to Three-Dimensional Membrane Protein Crystallization CRC-Press; T. Haga, G. Berstein (Eds.), pp. 365-388, 2000.	
	AY	CHIU, M.L., NOLLERT, P., LOEWEN, M., BELRHALI, H., PEBAY-PEYROULA, E., ROSENBUSCH, J.P., LANDAU, E. M., Crystallization in cubo: General Applicability to Membrane Proteins, Acta Cryst. D56, 781-784, (2000).	
	AZ	CHEN, A.H., HUMMEL, B., QIU, H., CAFFREY, M., A Simple Mechanical Mixer for Small Viscous Lipid-Containing Samples, Chemistry and Physics of Lipids, 95:11-21, 1998.	
	AAA	NOLLERT, P., LANDAU, E.M., Enzymic Release of Crystals from Lipidic Cubic Phases, Biochemical Society Transactions 26(4), pp. 709-713, 1998.	
	ABB	NOLLERT, P., ROYANT, A., PEBAY-PEYROULA, E. LANDAU, E.M., Detergent-Free Membrane Protein Crystallization, FEBS Letters 457:205-208, 1999.	
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	ADD	EDMAN, K., NOLLERT, P., ROYANT, A., BELRHALI, H., PEBAY-PEYROULA, E., HAJDU, J., NEUTZE, R., LANDAU, E.M., High-Resolution X-ray Structure of an Early Intermediate in the Bacteriorhodopsin Photocycle. Nature, Vol. 41, pp. 822-826, October 21, 1999.	
	AEE	LUECKE, H., SCHOBERT, B., RICHTER, H.T., CARTAILLER, J.P., LANYI, J.K., Structural Changes in Bacteriorhodopsin During Ion Transport at 2 Angstrom Resolution, Science 286:255-260, October 8, 1999.	
	AFF	LUECKE, H., SCHOBERT, B., RICHTER, H.T., CARTAILLER, J.P., LANYI, J.K. , Structure of Bacteriorhodopsin at 1.55 Angstrom Resolution, Journal of Molecular Biology, 291:899-911, 1999.	
	AGG	BELRHALI, H., NOLLERT, P., ROYANT, A., MENZEL, C., ROSENBUSCH, J.P., LANDAU, E.M., PEBAY-PEYROULA, E., Protein, Lipid and Water Organization in Bacteriorhodopsin Crystals: A Molecular View of the Purple Membrane at 1.9 A Resolution, Structure, Vol. 7, No. 8, 909-917, July 12, 1999.	
	AHH	LUECKE, H., RICHTER, H.T., LANYI, J.K., Proton Transfer Pathways in Bacteriorhodopsin at 2.3 Angstrom Resoultion, Science, 280:1934-1937, June 19, 1998.	
	AII	PEBAY-PEYROULA, E., RUMMEL, G., ROSENBUSCH, J.P., LANDAU, E.M., X-Ray Structure of Bacteriorhodopsin at 2.5 Angstroms from Microcrystals Grown in Lipidic Cubic Phases, Science, 277:1676-1681, 1997.	
	AJJ	CHANG, C.M., BODMEIER, R., Effect of Dissolution Media and Additives on the Drug Release from Cubic Phase Delivery Systems, Journal of Controlled Release, 46:215-222. 1997.	
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Examiner Signature		Date Considered	6/18/07

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PTO/SB/08A (08-03)

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Filing Date	October 17, 2003
First Named Inventor	Nollert, Peter
Art Unit	1641
Examiner Name	
Attorney Docket Number	018062-003140US

U.S. PATENT DOCUMENTS+

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BD	AA	US-4,046,145	09-06-1977	Choksi et al.	
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
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BD	AU	EP	0426634	A2	05-08-1991	Heimreid		☐
	AV							☐
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	AZ							☐
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	BB							☐

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PTO/SB/08A (08-03)

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	AA	US-3,974,832	08-17-1976	R.E. Kruck	
	AB	US-4,743,229	05-10-1988	G. Chu	
	AC	US-5,908,054	06-01-1999	J.H. Safabash et al.	
	AD	US-5,957,166	09-28-1999	J.H. Safabach	
	AE	US-			
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	AJ	US-			
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	AU	GB	1031427		08-08-1963	American Home Products		☐
	AV	DE	3102142	A	08-12-1982	Herlitze, Gerhard, Ing.		☐
	AW	EP	01481116	A	07-10-1985	Debiopharm S.A.		☐
	AX	WO	96/~~391125~~ 31125		12-12-1996	Univ. of Nebraska		☐
	AY	WO	99/04761	AI	02-04-1999	Andersson Mattias; Pharmacia & Upjohn AB		☐
	AZ							☐
	BA							☐
	BB							☐

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	AA	US-2001/0007641 A1	07-12-2001	Jovanovich et al.	
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	AE	WO	96/39125	A1	12-12-1996	Univ. of Nebraska		☐
	AF							☐

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	AD	US-4,388,272	06-14-1983	Gesteland, Robert C.	
	AE	US-4,390,500	06-28-1983	Miskinis, Robert J.	
	AF	US-4,803,053	02-07-1989	Williamson, Kenneth L.	
	AG	US-5,178,838	06-12-1993	Sala et al.	
	AH	US-5,425,920	06-20-1995	Conti et al.	
	AI	US-5,580,530	12-03-1996	Kowatsch et al.	
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	AL	US-2002/0173046 A1	11-21-2002	Hafez et al.	
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